

# ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

Stylesheet Version v1.1.1

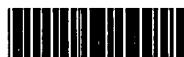
## Title of Invention

FIRING SUBSYSTEM FOR USE IN A FAST-ACTING SAFETY  
SYSTEM

Submission Type : Information Disclosure  
Statement

Application Number:

09/929240



EFS ID:

88813

Server Response:

Confirmation Code	Message
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application
ICON1	8809
USPTOEFSNot	For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: <a href="http://www.uspto.gov/ebc/">http://www.uspto.gov/ebc/</a>

First Named Applicant: Stephen Gass

Attorney Docket Number: SDT 303

Timestamp: 2005-07-24 19:02:50 EDT

From: US

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Total files size		75596	

Message Digest: 5feb5ab59f3a223e974e58a71f3dd2cf3f60082

Digital Certificate Holder  
Name:

cn=Stephen Francis  
Gass,ou=Registered  
Attorneys,ou=Patent and  
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Government,c=US

# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

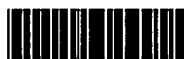
Electronic Version v18

Stylesheet Version v18.0

## Title of Invention

FIRING SUBSYSTEM FOR USE IN A FAST-ACTING SAFETY  
SYSTEM

Application Number : 09/929240  
Confirmation Number: 8809  
First Named Applicant: Stephen Gass  
Attorney Docket Number: SDT 303  
Art Unit: 3724  
Examiner: Mr. Boyer D Ashley



Search string: ( 2562396 or 2601878 or 2991593 or 3313185 or 3337008 or 3566996 or 3688815 or 3882744 or 3935777 or 3945286 or 4029159 or 4106378 or 4936876 or 5094000 or 5401928 or 5451750 or 5480009 or 5819619 or 6352137 or 6427570 or 6659233 or 20040104085 or 20040226800 ).pn

Certification: This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.

## US Patent Documents

**Note:** Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
3	1	2562396	1951-07-31	E. Schutz			
	2	2601878	1952-07-01	A.L. Anderson			
	3	2991593	1961-07-11	M. Cohen			
	4	3313185	1967-04-11	C.E. Drake et al			
	5	3337008	1967-08-22	K. Trachte			
	6	3566996	1971-03-02	Crossman			
	7	3688815	1972-09-05	Ridenour			
	8	3882744	1975-05-13	McCarroll			
	9	3935777	1976-02-03	Bassett			
	10	3945286	1976-03-23	Smith			
	11	4029159	1977-06-14	Nymann			
	12	4106378	1978-08-15	Kaiser			
8	13	4936876	1990-06-26	Reyes			

8	14	5094000	1992-03-10	Becht et al.			
	15	5401928	1995-03-28	Kelley			
	16	5451750	1995-09-19	An			
	17	5480009	1996-01-02	Wieland et al.			
	18	5819619	1998-10-13	Miller et al.			
	19	6352137	2002-03-05	Stegall et al.			
	20	6427570	2002-08-06	Miller et al.			
8	21	6659233	2003-12-09	DeVlieg			

## US Published Applications

**Note:** Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
3	1	20040104085	2004-06-03	Lang et al.			
3	2	20040226800	2004-11-18	Pierga et al.			


## Signature

Examiner Name	Date
Ben An	9/16/05

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Electronic Version v1.1

Stylesheet Version v1.1.0

<b>Title of Invention</b>	<b>FIRING SUBSYSTEM FOR USE IN A FAST-ACTING SAFETY SYSTEM</b>	
Application Number :	09/929240	
Date :	2001-08-13	
First Named Applicant:	Mr. Gass Stephen F	
Confirmation Number:	8809	
Attorney Docket Number:	SDT 303	
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p>		
Submitted By:		Elec. Sign.
Mr. Stephen F Gass Registered Number: 38462		/Stephen F Gass/ Attorney

Documents being submitted:	Files
us-ids	SIDS-usidst.xml us-ids.dtd us-ids.xsl
Comments	

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Examiner: Mr. Boyer D Ashley

Search string: ( 2402232 or 2452589 or 2737213 or 2883486 or 2957166 or 3035995 or 3246205 or 3439183 or 3580376 or 3863208 or 3886413 or 3974565 or 3975600 or 4016490 or 4262278 or 4672500 or 5353670 or 5453903 or 5503059 or 5623860 or 5648644 or 5741048 or 5791441 or 6742430 or 6874397 or 6874399 or 20030037655 or 20040011177 or 20040060404 or 20040159198 or 20040194594 or 20040200329 or 20040226424 or 20050057206 or 20050092149 or 20050139051 or 20050139056 or 20050139057 or 20050139058 or 20050139459 ).pn

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## US Patent Documents

**Note:** Applicant is not required to submit a paper copy of cited US Patent Documents.

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
Q	1	2402232	1946-06-18	G.T. Baker			
	2	2452589	1948-11-02	E.M.S. McWhirter et al			
	3	2737213	1956-03-06	A.W. Richards et al			
	4	2883486	1959-04-21	W.P. Mason			
	5	2957166	1960-10-18	S.E. Gluck			
	6	3035995	1962-05-22	B.G. Seeley et al			
	7	3246205	1966-04-12	I.M. Miller			
	8	3439183	1969-04-15	L.L. Hurst, Jr			
Q	9	3580376	1971-05-25	Loshbough			

9	10	3863208	1975-01-28	Balban				
	11	3886413	1975-05-27	Dow et al.				
	12	3974565	1976-08-17	Ellis				
	13	3975600	1976-08-17	Marston				
	14	4016490	1977-04-05	Weckenmann et al.				
	15	4262278	1981-04-14	Howard et al.				
	16	4672500	1987-06-09	Tholome Roger et al.				
	17	5353670	1994-10-11	Metzger, Jr.				
	18	5453903	1995-09-26	Chow				
	19	5503059	1996-04-02	Pacholok				
	20	5623860	1997-04-29	Schoene et al.				
	21	5648644	1997-07-15	Nagel				
	22	5741048	1998-04-21	Eccleston				
	23	5791441	1998-08-11	Matos et al.				
	24	6742430	2004-06-01	Chen				
	25	6874397	2005-04-05	Chang				
9	26	6874399	2005-04-05	Lee				

## US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
3	1	20030037655	2003-02-27	Chin-Chin			
	2	20040011177	2004-01-22	Huang			
	3	20040060404	2004-04-01	Metzger, JR.			
	4	20040159198	2004-08-19	Peot et al.			
	5	20040194594	2004-10-07	Dils et al.			
	6	20040200329	2004-10-14	Sako			
	7	20040226424	2004-11-18	O'Banion et al.			
	8	20050057206	2005-03-17	Uneyama			
	9	20050092149	2005-05-05	Hartmann			
	10	20050139051	2005-06-30	Gass et al.			
	11	20050139056	2005-06-30	Gass et al.			
	12	20050139057	2005-06-30	Gass et al.			
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3	14	20050139459	2005-06-30	Gass et al.			

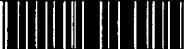
Signature

Examiner Name	Date
Bayer Alm	9/16/05

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Electronic Version v1.1

Stylesheet Version v1.1.0

<b>Title of Invention</b>	<b>FIRING SUBSYSTEM FOR USE IN A FAST-ACTING SAFETY SYSTEM</b>	
Application Number :	09/929240	
Date :	2001-08-13	
First Named Applicant:	Mr. Gass Stephen F	
Confirmation Number:	8809	
Attorney Docket Number:	SDT 303	
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p>		
Submitted By:		Elec. Sign.
Mr. Stephen F Gass Registered Number: 38462		/Stephen F Gass/ Attorney



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Comments	

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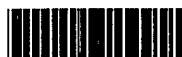
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SYSTEM

Submission Type : Information Disclosure  
Statement

Application Number:

09/929240



EFS ID:

85611

Server Response:

Confirmation Code	Message
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application
ICON1	8809
USPTOEFSNot	For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: <a href="http://www.uspto.gov/ebc/">http://www.uspto.gov/ebc/</a>

First Named Applicant: Stephen Gass

Attorney Docket Number: SDT 303

Timestamp: 2005-06-04 18:59:38 EDT

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Digital Certificate Holder  
Name:

cn=Stephen Francis  
Gass,ou=Registered  
Attorneys,ou=Patent and  
Trademark  
Office,ou=Department of  
Commerce,o=U.S.  
Government,c=US

# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	FIRING SUBSYSTEM FOR USE IN A FAST-ACTING SAFETY SYSTEM						
Application Number :	09/929240						
Confirmation Number:	8809						
First Named Applicant:	Stephen Gass						
Attorney Docket Number:	SDT 303						
Art Unit:	3724						
Examiner:	Mr. Boyer D Ashley						
Search string:	( 1582483 or 3184001 or 3696844 or 3994192 or 4199930 or 4291794 or 4589860 or 4657428 or 4679719 or 5074047 or 5083973 or 5231359 or 5411221 or 5852951 or 5974927 or 6150826 or 6376939 or 6431425 or 6471106 or 6492802 or 6617720 or 6826988 or 6857345 or 20010032534 or 20040226424 ).pn						
<p><b>Certification:</b> This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:</p> <p>That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.</p>							
<b>US Patent Documents</b>							
<b>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</b>							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
3	1	1582483	1926-04-27	Runyan			
	2	3184001	1965-05-18	Reinsch et al.			
	3	3696844	1972-10-10	Bernatschek			
	4	3994192	1976-11-30	Faig			
	5	4199930	1980-04-29	Lebet et al.			
	6	4291794	1981-09-29	Bauer			
	7	4589860	1986-05-20	Brandenstein et al.			
	8	4657428	1987-04-14	Wiley			
	9	4679719	1987-07-14	Kramer			
	10	5074047	1991-12-24	King			
	11	5083973	1992-01-28	Townsend			
3	12	5231359	1993-07-27	Masuda et al.			

③	13	5411221	1995-05-02	Collins et al.					
	14	5852951	1998-12-29	Santi					
	15	5974927	1999-11-02	Tsune					
	16	6150826	2000-11-21	Hokodate et al.					
	17	6376939	2002-04-23	Suzuki et al.					
	18	6431425	2002-08-13	Moorman et al.					
	19	6471106	2002-10-29	Reining					
	20	6492802	2002-12-10	Bielski					
	21	6617720	2003-09-09	Egan, III et al.					
	22	6826988	2004-12-07	Gass et al.					
④	23	6857345	2005-02-22	Gass et al.					

### US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
⑧	1	20010032534	2001-10-25	Cerroll et al.			
⑧	2	20040226424	2004-11-18	OBanion et al.			


### Signature

Examiner Name	Date
Boyer Akhly	9/16/05

**TRANSMITTAL**

Electronic Version v1.1

Stylesheet Version v1.1.0

<b>Title of Invention</b>	<b>FIRING SUBSYSTEM FOR USE IN A FAST-ACTING SAFETY SYSTEM</b>	
Application Number :	09/929240	
Date :	2001-08-13	
First Named Applicant:	Mr. Gass Stephen F	
Confirmation Number:	8809	
Attorney Docket Number:	SDT 303	
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p>		
Submitted By:		Elec. Sign.
Mr. Stephen F Gass Registered Number: 38462		/Stephen F Gass/ Attorney

Documents being submitted:	Files
us-ids	IDS-usidst.xml us-ids.dtd us-ids.xsl
Comments	

# ACKNOWLEDGEMENT RECEIPT

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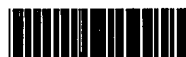
## Title of Invention

FIRING SUBSYSTEM FOR USE IN A FAST-ACTING SAFETY  
SYSTEM

Submission Type : Information Disclosure  
Statement

Application Number:

09/929240



EFS ID:

78965

Server Response:

Confirmation Code	Message
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application
ICON1	8809
USPTOEFSNot	For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: <a href="http://www.uspto.gov/ebc/">http://www.uspto.gov/ebc/</a>

First Named Applicant: Stephen Gass

Attorney Docket Number: SDT 303

Timestamp: 2005-02-27 17:53:06 EDT

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package-data	IDS-pkda.xml	1791	2005-02-27
package-data	package-data.dtd	27025	2005-02-27
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Total files size		73266	

Message Digest: 51a0ed45ea6e4cd17330bcc5533588200cf5a6e7


Digital Certificate Holder  
Name:

cn=Stephen Francis  
Gass,ou=Registered  
Attorneys,ou=Patent and  
Trademark  
Office,ou=Department of  
Commerce,o=U.S.  
Government,c=US

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Electronic Version v18

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Confirmation Number:	8809						
First Named Applicant:	Stephen Gass						
Attorney Docket Number:	SDT 303						
Art Unit:	3724						
Examiner:	Mr. Boyer D Ashley						
Search string:	( 5239978 ).pn						
<p><b>Certification:</b> This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:</p> <p>That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.</p>							
<b>US Patent Documents</b>							
<b>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</b>							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
Q	1	5239978	1993-08-31	Plangetis			
<b>Signature</b>							
Examiner Name				Date			
Boyer Ashley				2/10/05			



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Submitted By:		Elec. Sign.
Mr. Stephen Francis Gass Registered Number: 38462		/Stephen F Gass/ Inventor

Documents being submitted:	Files
us-ids	121904IDS-usidst.xml us-ids.dtd us-ids.xsl
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EFS ID:

74525

Server Response:

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ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application
ICON1	8809
USPTOEFSNot	The documents provided in this submission were accepted by the USPTO. However, the fees associated with new utility and provisional Electronic Filing System (EFS) submission were not accepted by our automated systems because the USPTO software has not yet been updated for the fee structure and amounts required by the Consolidated Appropriations Act, 2005, Section 801, of Division B. In due course a corrected fee may be assessed due to changes associated with the Appropriations Act. We will charge the amount indicated in your submission. If at least the basic filing fee accompanied a new utility or provisional EFS submission, then no surcharge based on fee deficiency will be applied when any fee deficiency is paid. For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll -Free Number:1866 217-9197 Website: <a href="http://www.uspto.gov/ebc/">www.uspto.gov/ebc/</a>

First Named Applicant: Stephen Gass

Attorney Docket Number: SDT 303

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From: us

File Listing:

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Total files size		69610	

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Digital Certificate Holder  
Name:

cn=Stephen Francis  
Gass,ou=Registered  
Attorneys,ou=Patent and  
Trademark  
Office,ou=Department of  
Commerce,o=U.S.  
Government,c=US

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Examiner:	Mr. Boyer D Ashley						
Search string:	( 4756220 or 6736042 ).pn						
<p><b>Certification:</b> This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:</p> <p>That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.</p>							
<b>US Patent Documents</b>							
<b>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</b>							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
Q	1	4756220	1988-07-12	Olsen et al			
Q	2	6736042	2004-05-18	Behne et al			
<b>Signature</b>							
Examiner Name				Date			
Boyer Ashley				9/16/05			

**TRANSMITTAL**

Electronic Version v1.1

Stylesheet Version v1.1.0

<b>Title of Invention</b>	<b>FIRING SUBSYSTEM FOR USE IN A FAST-ACTING SAFETY SYSTEM</b>							
Application Number :	09/929240							
Date :	2001-08-13							
First Named Applicant:	Mr. Gass Stephen F							
Confirmation Number:	8809							
Attorney Docket Number:	SDT 303							
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p>								
<table border="1"><tr><td>Submitted By:</td><td>Elec. Sign.</td><td>Sign. Capacity</td></tr><tr><td>Mr. Stephen F Gass Registered Number: 38462</td><td>/Stephen F Gass/</td><td>Attorney</td></tr></table>			Submitted By:	Elec. Sign.	Sign. Capacity	Mr. Stephen F Gass Registered Number: 38462	/Stephen F Gass/	Attorney
Submitted By:	Elec. Sign.	Sign. Capacity						
Mr. Stephen F Gass Registered Number: 38462	/Stephen F Gass/	Attorney						

Documents being submitted:	Files
us-ids	303-usidst.xml us-ids.dtd us-ids.xsl
Comments	

## ACKNOWLEDGEMENT RECEIPT

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**Title of  
Invention**

FIRING SUBSYSTEM FOR USE IN A FAST-ACTING SAFETY  
SYSTEM

Submission Type : Information Disclosure  
Statement

Application Number:

09/929240



EFS ID:

67981

Server Response:

Confirmation Code	Message
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application
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USPTOEFSNot	For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: <a href="http://www.uspto.gov/ebc/">http://www.uspto.gov/ebc/</a>

First Named Applicant: Stephen Gass

Attorney Docket Number: SDT 303

Timestamp: 2004-09-06 14:27:20 EDT

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File Listing:

Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)
us-lds	303-usidst.xml	1871	2004-09-06
us-lds	us-lds.dtd	7763	2004-09-06
us-lds	us-lds.xsl	12026	2004-09-06
package-data	303-pkda.xml	1791	2004-09-06
package-data	package-data.dtd	27025	2004-09-06
package-data	us-package-data.xsl	19263	2004-09-06
Total files size		69739	

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